

SENSING APPARATUS FOR BLOWN FUSE OF RECTIFYING WHEEL AND ASSOCIATED METHODS

Abstract of th Disclosure

A blown fuse proximity sensing device **40** is for use with a rectifying wheel **37** of a type including rectifying diodes **38** and associated fuses **42**. Each fuse **42** may include a housing **51**, a fuse element **52** carried by the housing, and a pop-out indicator **54** movable between a normal position and a popped-out position. In the popped-out position, the indicator **54** extends outwardly from the housing responsive to failure of the fuse element. At least one stationary proximity sensor **44** is mounted adjacent the rectifying wheel **37** for sensing positions of the pop-out indicators **54** without contact therewith during rotation of the rectifying wheel to thereby sense at least one blown fuse. The sensing device **40** may also include a local display **61**, and a controller **68** connected to the stationary proximity sensor **44** for generating an indication of a blown fuse on the local display. The controller **68** may also generate at least one remote output, such as to be monitored by other plant control equipment.